

EN

User manual

Dishwasher

USER MANUAL

ZDF3013

ZANUSSI

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Subject to change without notice.

Safety instructions

Before the installation and use of the appliance, carefully read the supplied instructions. The manufacturer is not responsible if an incorrect installation and use causes injuries and damages. Always keep the instructions with the appliance for future reference.

Children and vulnerable people safety

-  **Warning!** Risk of suffocation, injury or permanent disability.
- Do not let persons, children included, with reduced physical sensory, reduced mental functions or lack of experience and knowledge use the appliance. They must have supervision or instruction for the operation of the appliance by a person who is responsible for their safety. Do not let children play with the appliance.
- Keep all packaging away from children.
- Keep all detergents away from children.
- Keep children and pets away from the appliance door when it is open.

Installation


- Remove all the packaging.
- Do not install or use a damaged appliance.
- Do not install or use the appliance where the temperature is less than 0 °C.
- Obey the installation instruction supplied with the appliance.

Water connection

- Make sure not to cause damage to the water hoses.

- The appliance is to be connected to the water mains using the new supplied hose-sets. Old hose sets must not be reused.
- Before you connect the appliance to new pipes or pipes not used for a long time, let the water flow until it is clean.
- The first time you use the appliance, make sure that there is no leakage.

Electrical connection

-  **Warning!** Risk of fire and electrical shock.
- The appliance must be earthed.
- Make sure that the electrical information on the rating plate agrees with the power supply. If not, contact an electrician.
- Always use a correctly installed shockproof socket.
- Do not use multi-plug adapters and extension cables.
- Make sure not to cause damage to the mains plug and to the mains cable. Contact the Service or an electrician to change a damaged mains cable.
- Connect the mains plug to the mains socket only at the end of the installation. Make sure that there is access to the mains plug after the installation.
- Do not pull the mains cable to disconnect the appliance. Always pull the mains plug.

Use

- This appliance is intended to be used in household and similar applications such as:

- Staff kitchen areas in shops, offices and other working environments
- Farm houses
- By clients in hotels, motels and other residential type environments
- Bed and breakfast type environments.

Warning! Risk of injury.

- Do not change the specification of this appliance.
- Put knives and cutlery with sharp points in the cutlery basket with the points down or in a horizontal position.
- Do not keep the appliance door open without supervision to prevent to fall on it.
- Do not sit or stand on the open door.
- Dishwasher detergents are dangerous. Obey the safety instructions on the detergent packaging.
- Do not drink and play with the water in the appliance.
- Do not remove the dishes from the appliance until the programme is completed. There can be detergent on the dishes.

Warning! Risk of electrical shock, fire or burns.

- Do not put flammable products or items that are wet with flammable products in, near or on the appliance.
- Do not use water spray and steam to clean the appliance.
- The appliance can release hot steam if you open the door while a programme operates.

Disposal

Warning! Risk of injury or suffocation.

- Disconnect the appliance from the mains supply.
- Cut off the mains cable and dispose of it.
- Remove the door catch to prevent children and pets to get closed in the appliance.

Customer Care and Service

Contact the Service to repair the appliance.

We recommend only the use of original spare parts.

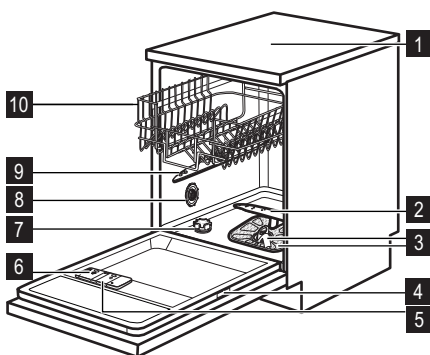
When you contact the Service, ensure that you have the following information that is available on the rating plate.

Model :

PNC :

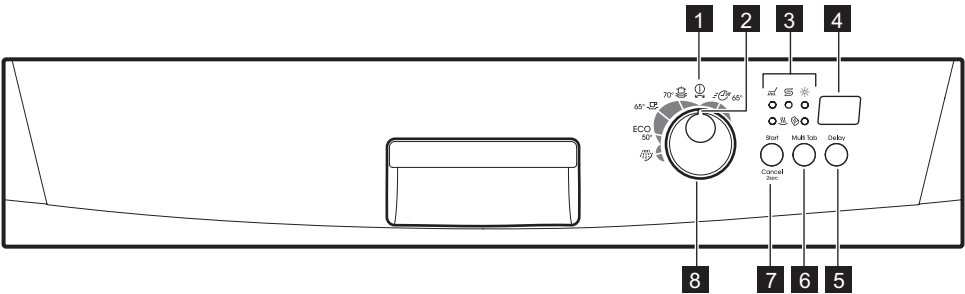
Serial Number :

Product description



- 1 Worktop
- 2 Lower spray arm
- 3 Filters
- 4 Rating plate
- 5 Rinse aid dispenser
- 6 Detergent dispenser
- 7 Salt container
- 8 Water hardness dial
- 9 Upper spray arm
- 10 Upper basket

Control panel



- 1

Programme marker
- 2

Off position
- 3

Indicators
- 4

Display
- 5

Delay button
- 6

Multitab button
- 7

Start button
- 8

Programme knob

Indicators	Description
	Washing phase indicator.
	Drying phase indicator.
	Rinse aid indicator. This indicator is off while the programme operates.
	Salt indicator. This indicator is off while the programme operates.
	Multitab indicator.

Programmes

Programme ¹⁾	Degree of soil Type of load	Programme phases	Duration (min)	Energy (kWh)	Water (l)
70°	Heavy soil Crockery, cutlery, pots and pans	Prewash Wash 70 °C Rinses Dry	80 - 90	1.6 - 1.8	22 - 24
65°	Normal soil Crockery and cut- lery	Prewash Wash 65 °C Rinses Dry	90 - 100	1.4 - 1.6	19 - 17
ECO 50° ²⁾	Normal soil Crockery and cut- lery	Prewash Wash 50 °C Rinses Dry	155 - 167	0.99 - 1.04	12.2 - 13

Programme ¹⁾	Degree of soil Type of load	Programme phases	Duration (min)	Energy (kWh)	Water (l)
3)	All	Prewash	12	0.1	4
65° 4)	Fresh soil Crocery and cut- lery	Wash 65 °C Rinse	30	0.9	9

- 1) The pressure and the temperature of the water, the variations of the mains supply, the options and the quantity of dishes can change the programme duration and the consumption values.
- 2) This is the standard programme for test institutes. With this programme you have the most efficient use of water and energy consumption for crockery and cutlery with normal soil.
- 3) Use this programme to quickly rinse the dishes. This prevents the remaining food to bond on the dishes and bad odours to come out from the appliance.
Do not use detergent with this programme.
- 4) With this programme you can wash a load with fresh soil. It gives good washing results in a short time.

Information for test institutes

For all the necessary information for test performance. send an email to:

info.test@dishwasher-production.com

Write down the product number (PNC) that is on the rating plate.

Options

Multitab option

Activate this option only when you use the combi detergent tablets.

This option deactivates the flow of rinse aid and salt. The related indicators are off.

The programme duration can increase.

Activating the Multitab option

Activate or deactivate the Multitab option before the start of a programme. You cannot activate or deactivate this option while a programme operates.

1. Press the on/off button to activate the appliance. Make sure that the appliance is in setting mode. Refer to 'SETTING AND STARTING A PROGRAMME'.
2. Press **Multitab**, the Multitab indicator comes on.

The option stays on until you deactivate it. Press **Multitab**, the Multitab indicator goes off.

If you stop to use the combi detergent tablets, before you start to use separately detergent, rinse aid and dishwasher salt, do these steps:

1. Deactivate the Multitab option.
2. Set the water softener to the highest level.
3. Make sure that the salt container and the rinse aid dispenser are full.
4. Start the shortest programme with a rinsing phase, without detergent and without dishes.
5. Adjust the water softener to the water hardness in your area.
6. Adjust the released quantity of rinse aid.


Before first use

1. Make sure that the set level of the water softener agrees with the water hardness in your area. If not, adjust the water softener.

Contact your local water authority to know the water hardness in your area.

2. Fill the salt container.


3. Fill the rinse aid dispenser.
4. Open the water tap.
5. Processing residues can stay in the appliance. Start a programme to remove them. Do not use detergent and do not load the baskets.

 If you use the combi detergent tablets, activate the multitab function. These tablets contain detergent, rinse aid and other added agents. Be sure that these tablets are applicable to the water hardness in your area. Refer to the instructions on the packaging of the products.

Adjusting the water softener

Hard water contains a high quantity of minerals that can cause damage to the appliance and bad washing results. The water softener neutralises these minerals.

The dishwasher salt keeps the water softener clean and in good conditions. Refer to the table to adjust the water softener to the right level. It makes sure that the water softener uses the correct quantity of dishwasher salt and water.

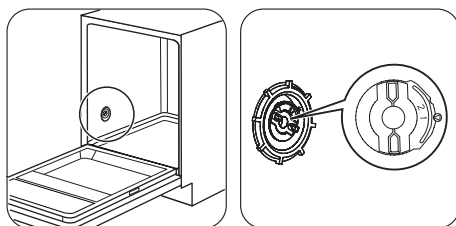
 You must adjust the water softener manually and electronically.

Water hardness				Water softener adjustment	
German degrees (°dH)	French degrees (°fH)	mmol/l	Clarke degrees	Manual	Electronic
51 - 70	91 - 125	9.1 - 12.5	64 - 88	2 ¹⁾	10
43 - 50	76 - 90	7.6 - 9.0	53 - 63	2 ¹⁾	9
37 - 42	65 - 75	6.5 - 7.5	46 - 52	2 ¹⁾	8
29 - 36	51 - 64	5.1 - 6.4	36 - 45	2 ¹⁾	7
23 - 28	40 - 50	4.0 - 5.0	28 - 35	2 ¹⁾	6
19 - 22	33 - 39	3.3 - 3.9	23 - 27	2 ¹⁾	5 ¹⁾
15 - 18	26 - 32	2.6 - 3.2	18 - 22	1	4
11 - 14	19 - 25	1.9 - 2.5	13 - 17	1	3
4 - 10	7 - 18	0.7 - 1.8	5 - 12	1	2
< 4	< 7	< 0.7	< 5	1 ²⁾	1 ²⁾

¹⁾ Factory position.

²⁾ Do not use salt at this level.

Manual adjustment



1

2

Turn the water hardness dial to the position 1 or 2.

Electronic adjustment

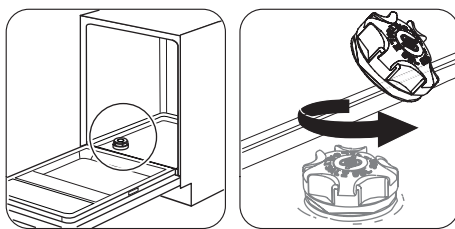
i The appliance must be in setting mode. Refer to 'SETTING AND STARTING A PROGRAMME'.

1. Make sure that the programme marker on the programme knob is aligned with the off position.
2. Press and hold **Start**. At the same time turn the programme knob counterclockwise until the programme marker is aligned with the first programme on the control panel.
3. Release **Start** when the display shows the setting of the water softener.
 - Example: **5 L** = level 5.
4. Press **Start** again and again to change the setting.
5. To confirm the setting, turn the programme knob until the programme marker is aligned with the off position.

Filling the salt container

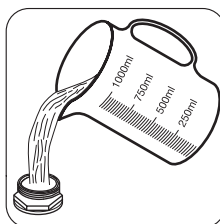
! **Caution!** Only use dishwasher salt. Other products can cause damage to the appliance.

Water and salt can come out from the salt container when you fill it. Risk of corrosion. To prevent it, after you fill the salt container, start a programme.

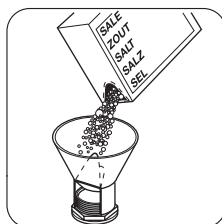


1

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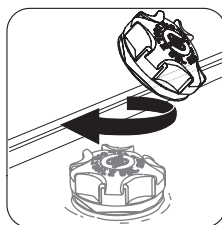


4

Put 1 litre of water in the salt container (only for the first time).



5

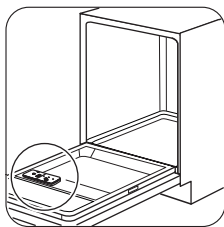


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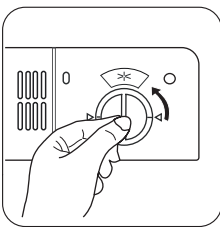
Filling the rinse aid dispenser

! **Caution!** Only use rinse aid for dishwashers. Other products can cause damage to the appliance.

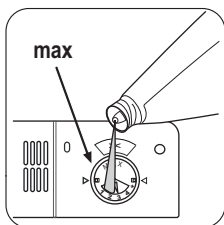
i The rinse aid, during the last rinsing phase, helps to dry the dishes without streaks and stains.



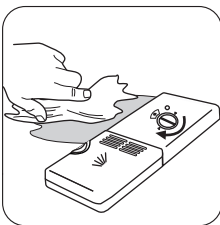
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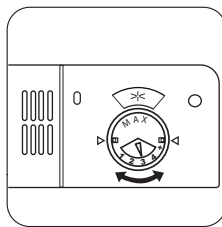
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3



4




To adjust the released quantity of rinse aid, turn the selector between position 1 (lowest quantity) and position 4 (highest quantity).

Daily use


1. Open the water tap.
2. Turn the programme knob until the programme marker is aligned with a programme on the control panel. Make sure that the appliance is in setting mode, refer to 'SETTING AND STARTING A PROGRAMME'.
 - If the salt indicator is on, fill the salt container.
 - If the rinse aid indicator is on, fill the rinse aid dispenser.
3. Load the baskets.
4. Add the detergent.
5. Set and start the correct programme for the type of load and the degree of soil.


Loading the baskets

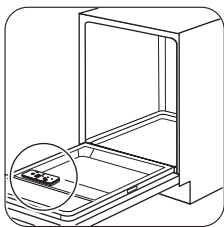
-  Refer to the supplied leaflet with examples of the load of the baskets.
- Only use the appliance to wash items that are dishwasher-safe.
- Do not put in the appliance items made of wood, horn, aluminium, pewter and copper.

- Do not put in the appliance items that can absorb water (sponges, household cloths).
- Remove remaining food from the items.
- Make soft the remaining burned food on the items.
- Put hollow items (cups, glasses and pans) with the opening down.
- Make sure that cutlery and dishes do not bond together. Mix spoons with other cutlery.
- Make sure that glasses do not touch other glasses.
- Put small items in the cutlery basket.
- Put light items in the upper basket. Make sure that the items do not move.
- Make sure that the spray arms can move freely before you start a programme.

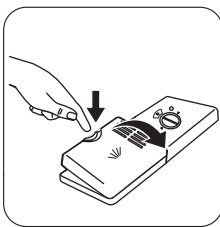
Using the detergent

 **Caution!** Use only detergents for dishwashers.

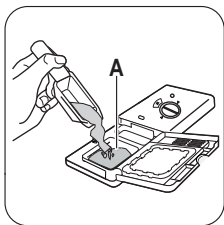
 Do not use more than the correct quantity of detergent. Refer to the instructions on the detergent packaging.



1

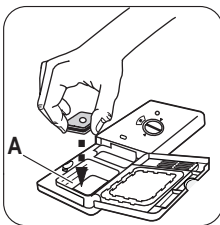


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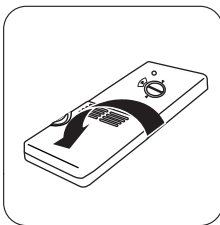
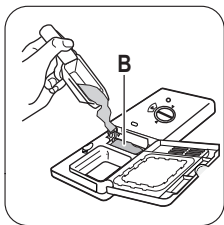
3

Put the detergent or the tablet in compartment **(A)**.



4

If the programme has a prewash phase, put a small quantity of detergent in compartment **(B)**.



i Detergent tablets do not fully dissolve with short programmes and detergent residues can stay on the dishes. We recommend that you use detergent tablets with long programmes.

Setting and starting a programme

Setting mode

- i** The appliance must be in setting mode to:
- Start a programme.

- Set the level of the water softener.
- Activate the rinse aid dispenser when the Multitab function is on.

Turn the programme knob until the programme marker is aligned with a programme on the control panel:

- If the programme duration flashes in the display, the appliance is in setting mode.
- If the programme duration in the display is not flashing, the appliance is not in setting mode.

To put the appliance in setting mode, press and hold **Start** until the programme duration flashes in the display and the phase indicators for the programme come on.

Starting a programme without delay start

- Open the water tap.
- Close the appliance door.
- Turn the programme knob until the programme marker is aligned with the programme you want to set. Make sure that the appliance is in setting mode.
 - The programme duration flashes in the display.
 - The phase indicators of the set programme come on.
- Press **Start**. The programme starts.
 - The programme duration stops flashing in the display and starts to decrease with steps of 1 minute.
 - Only the indicator of the phase in operation stays on.

Starting a programme with delay start

- Set the programme.
- Press **Delay** again and again until the display shows the delay time you want to set (from 1 to 19 hours).
 - The delay time flashes in the display.
- Press **Start**. The countdown starts.
 - The delay time stops flashing in the display. The countdown starts to decrease with steps of 1 hour.
 - The phase indicators of the set programme go off.

- When the countdown is completed, the programme starts.
 - The indicator of the phase in operation comes on.

Opening the door while the appliance operates


If you open the door, the appliance stops. When you close the door, the appliance continues from the point of interruption.

Cancelling the delay start while the countdown operates

Press **Delay** again and again until the display shows the programme duration and the phase indicators of the set programme come on. The programme starts.

Cancelling the programme


Press and hold **Start** until the programme duration flashes in the display and the phase indicators of the set programme come on.


-  Make sure that there is detergent in the detergent dispenser before you start a new programme.

At the end of the programme

When the programme is completed, the display shows **0** and the phase indicators go off.

Care and cleaning

-  **Warning!** Before maintenance, deactivate the appliance and disconnect the mains plug from the mains socket.

-  Dirty filters and clogged spray arms decrease the washing results. Make a check regularly and, if necessary, clean them.

1. Deactivate the appliance. Turn the programme knob until the programme marker is aligned with the off position.
2. Close the water tap.



- If you do not deactivate the appliance, after three minutes from the end of the programme:
 - All the indicators go off.
 - The display shows one horizontal status bar.

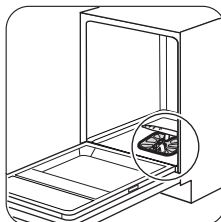
This helps to decrease the energy consumption.

Press one of the buttons, the display and the indicators come on again.

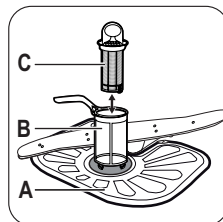


- Let the dishes become cold before you remove them from the appliance. Hot dishes can be easily damaged.
- First remove the items from the lower basket, then from the upper basket.
- There can be water on the sides and on the door of the appliance. Stainless steel becomes cool more quickly than the dishes.

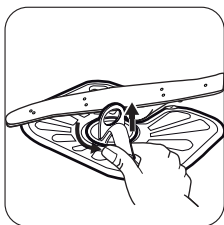
Cleaning the filters



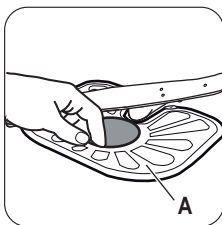
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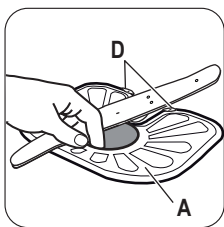
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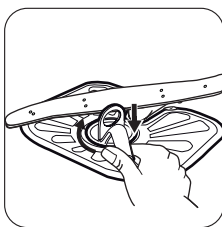
3 To remove filters **(B)** and **(C)**, turn the handle counterclockwise and remove. Pull apart filter **(B)** and **(C)**. Wash the filters with water.



4 Remove filter **(A)**. Wash the filter with water.



5 Put filter **(A)** to its initial position. Make sure that it assembles correctly under the two guides **(D)**.



6 Assemble filters **(B)** and **(C)**. Put them into position in filter **(A)**. Turn the handle clockwise until it locks.

i An incorrect position of the filters can cause bad washing results and damage to the appliance.

Cleaning the spray arms

Do not remove the spray arms. If the holes in the spray arms are clogged, remove remaining parts of soil with a thin pointed object.

External cleaning

Clean the appliance with a moist soft cloth. Only use neutral detergents. Do not use abrasive products, abrasive cleaning pads or solvents.

Troubleshooting

The appliance does not start or it stops during operation.

Before you contact the Service, refer to the information that follows for a solution to the problem.

With some problems, the display shows an alarm code:

- **,10** - The appliance does not fill with water.

- **,20** - The appliance does not drain the water.
- **,30** - The anti-flood device is on.



Warning! Deactivate the appliance before you do the checks. Turn the programme knob until the programme marker is aligned with the off position.

Problem	Possible cause	Possible solution
The programme does not start.	The mains plug is not connected in the mains socket.	Connect the mains plug.

Problem	Possible cause	Possible solution
The appliance does not fill with water.	The appliance door is open.	Close the appliance door.
	You did not press Start .	Press Start .
	The fuse in the fuse box is damaged.	Replace the fuse.
	The delay start is set.	Cancel the delay start or wait for the end of the countdown.
	The water tap is closed.	Open the water tap.
	The water pressure is too low.	Contact your local water authority.
	The water tap is clogged or there is limescale on it.	Clean the water tap.
	The filter in the water inlet hose is clogged.	Clean the filter.
The appliance does not drain the water.	The water inlet hose has a kink or a bend.	Make sure that the position of the hose is correct.
	The anti-flood device is on. There are water leakages in the appliance.	Close the water tap and contact the Service.
	The sink spigot is clogged.	Clean the sink spigot.
	The water drain hose has a kink or a bend.	Make sure that the position of the hose is correct.

After the checks are completed, turn the programme knob until the programme marker is aligned with the programme that was in operation when the problem occurred. The programme continues from the point of interruption.

If the problem occurs again, contact the Service.


If the display shows other alarm codes, contact the Service.

The washing results and drying results are not satisfactory

Problem	Possible cause	Possible solution
The dishes are not clean.	The filters are clogged.	Clean the filters.
	The filters are not correctly assembled and installed.	Make sure that the filters are correctly assembled and installed.
	The spray arms are clogged.	Remove remaining soil with a thin pointed object.
	The programme was not applicable for the type of load and soil.	Make sure that the programme is applicable for the type of load and soil.
	Incorrect position of the items in the baskets. Water could not wash all items.	Make sure that the position of the items in the baskets is correct and that the water can easily wash all items.

Problem	Possible cause	Possible solution
	The spray arms could not turn freely.	Make sure that the position of the items in the baskets is correct and does not cause the blockage of the spray arms.
	The quantity of detergent was not sufficient.	Make sure that you add the correct quantity of detergent in the dispenser before you start a programme.
	There was no detergent in the detergent dispenser.	Make sure that you add detergent in the dispenser before you start a programme.
Limescale particles on the dishes.	The salt container is empty.	Make sure that there is dishwasher salt in the salt container.
	The set level of the water softener is incorrect.	Make sure that the set level of the water softener agrees with the water hardness in your area.
	The cap of the salt container is loose.	Tighten the cap.
Whitish streaks and stains or bluish layers on glasses and dishes.	The released quantity of rinse aid is too much.	Decrease the released quantity of rinse aid
	The quantity of detergent was too much.	Make sure that you add the correct quantity of detergent in the dispenser before you start a programme.
Dry water drop stains on glasses and dishes.	The released quantity of rinse aid was not sufficient.	Increase the released quantity of rinse aid.
	The quality of the detergent can be the cause.	Try a different brand of detergent.
The dishes are wet.	The programme had no drying phase.	Set a programme with the drying phase.
The dishes are wet and matt.	The rinse aid dispenser is empty.	Make sure that there is rinse aid in the rinse aid dispenser.
	The quality of the rinse aid can be the cause.	Try a different brand of rinse aid.
	The quality of the combi detergent tablets can be the cause.	<ul style="list-style-type: none"> Try a different brand of combi detergent tablets. Activate the rinse aid dispenser and use the rinse aid together with the combi detergent tablets.

Activating the rinse aid dispenser with the multitab function activated

 The appliance must be in setting mode, refer to 'SETTING AND STARTING A PROGRAMME'.

1. Make sure that the programme marker on the programme knob is aligned with the off position.
2. Press and hold **Start**. At the same time turn the programme knob counterclockwise until the programme marker is aligned with the first programme on the control panel.

3. Release **Start** when the display shows the setting of the water softener.
4. Turn the programme knob counterclockwise until the programme marker is aligned with the second washing programme on the control panel.
5. The display shows the setting of the rinse aid dispenser.

<i>0d</i>	Off
<i>1d</i>	On

6. Press **Start** to change the setting.
7. To confirm the setting, turn the programme knob until the programme marker is aligned with the off position.


Technical information

Dimensions	Width / Height / Depth (mm)	600 / 850 / 610
Electrical connection	Refer to the rating plate.	
	Voltage	220-240 V
	Frequency	50 Hz
Water supply pressure	Min. / max. (bar / MPa)	(0.5 / 0.05) / (8 / 0.8)
Water supply ¹⁾	Cold water or hot water ²⁾	max. 60 °C
Capacity	Place settings	12
Power consumption	Left-on mode	0.99 W
	Off-mode	0.1 W


1) Connect the water inlet hose to a water tap with a 3/4" thread.

2) If the hot water comes from alternative sources of energy, (e.g. solar panels, aeolian energy), use the hot water supply to decrease energy consumption.

Environment concerns

The symbol  on the product or on its packaging indicates that this product may not be treated as household waste. Instead it should be taken to the appropriate collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the

environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local council, your household waste disposal service or the shop where you purchased the product.

- Discard correctly the packaging material. Recycle the materials with the symbol .

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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